

## Product datasheet for MC200931

### Nubp2 (NM\_011956) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nubp2 (NM\_011956) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nubp2  
**Synonyms:** D17Wsu11e  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC012635 sequence for NM\_011956  
 CCACGCGTCCGCCACGCGTCCGGCGAAAAGCAACTAGTAGCGGAATGGAGGCTGCTGCCGGTGAGCGTG  
 CAGAACC CGGGAACCTGGCCGGGTGCGACACATCATCCTTGTCTTTCTGGAAAGGGTGGCGTTGGGAA  
 AAGCACCATCTCCACGGAGTTGGCCCTGGCTCTGCGCCACCAGGCAAGAAGGTGGGAATCCTAGATGTG  
 GACCTGTGCGGTCCCAGCATACACACATGCTCCGTGCACAAGGCAAGGCCGTGCCACAGTGTGACAATG  
 GCTGGGTGCCTGTCTTTGTGGATCAGGAGCAGAGCATCTCCCTTATGTCTGTGGGTTCTCTGCTGAAAA  
 CCCTGATGAGGCCGTGGTGTGGAGAGGTCCAAGAAACATGCACTGATAAAGCAGTTTGTGTCTGACGTG  
 GCCTGGGGCAGCTGGATTATCTGGTTGTGGACACACCTCCAGGGACCTCTGATGAGCACATGGCCACTA  
 TGGAAAGCCCTGCGCCCTACAGGCCCTTGGGGCTCTTGTAGTCACCACACCACAGGCGGTGTCTATTGG  
 GGATGTGAGGCGGAGCTGACCTTCTGTAAGAAGACTGGGCTGCAGGTGATAGGGGTCATAGAGAACATG  
 AGCGGCTTACCTGCCACACTGCGCTGAGTGCACCAATGTCTTCTCCAGCGGCAGTGGGAGGAGCTGG  
 CCCGGCTGGCTGGAGTTCCCTTTTTAGGCTCTGTCCCCCTGGATTCCCAACTTACCAGGAGCTTGGAGGA  
 AGGGCGTGACTTCATCCAGGAATTTCCAAAAGCACTGCATATTCGCACTCACGTCCATAGCCCAGAGA  
 GTTGTGCACAGGATGTCTGCCCTGTGCTCCTGACCGCCTGGCAGCCTTCTGGTGTGCATGCCTGTAAGG  
 CCTTTGGGAGCAGAGGCCCTCAGGACTGTTTTGGGACCTGTAGTTGTTGGCCTGGGCAATGGCTGGACTA  
 TGCGATTACATCCATGCGGAGATCTGCAGGCCCATGTCCTTGGCTGACACTAGCTTACCAAAGTGT  
 CTATAGCTGAGGGGATAGCCTGCATCCTGATTCTTGGAGATAATAGCAGCCTTAACCTTTAGCCTATAGG  
 CTTTCGTCCAACCCTAGTCACTTCTGCCCCAGGTCAACAGGCTGCTCTCATAGCCACACCACAGGAGC  
 TGGCCAGTGCTTTCTCATCGAGACTGACCCACACATGCTGTGTTGTGTGCCTTTTGTGACACTGTGGTT  
 ACCGGCACATCTGGTAACCTTACAGAACTCTGCTATTAACATACCGCCCGTCTTAGGAAGGACCCAGC  
 ATCCAAGCCCTTTGCTCCTCAGCGAGGTGACTCTTGATTCCCTACATTTTATGTCTGGAACAAGCAGTAT  
 TAGTAAAGATTATAAAGGGCCTGAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_011956  
**Insert Size:** 828 bp



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|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  |
| <b>Components:</b>            | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">BC012635</a> , <a href="#">AAH12635</a>   |
| <b>RefSeq Size:</b>           | 1462 bp   |
| <b>RefSeq ORF:</b>            | 828 bp  |
| <b>Locus ID:</b>              | 26426   |
| <b>UniProt ID:</b>            | <a href="#">Q9R061</a>  |
| <b>Cytogenetics:</b>          | 17 12.53 cM   |
| <b>Gene Summary:</b>          | Component of the cytosolic iron-sulfur (Fe/S) protein assembly (CIA) machinery. Required for maturation of extramitochondrial Fe-S proteins. The NUBP1-NUBP2 heterotetramer forms a Fe-S scaffold complex, mediating the de novo assembly of an Fe-S cluster and its transfer to target apoproteins. Negatively regulates cilium formation and structure (PubMed:23807208). [UniProtKB/Swiss-Prot Function]   |